

WHAT IS CLAIMED IS:

1. A data file reproducing method for a personal terminal comprising:
providing a data file by connecting a data supplying server to a communication network;
selecting a data file;
connecting the data supplying server to a personal terminal;
transferring the selected data file to the personal terminal; and
storing automatically the transferred data file in the personal terminal.
2. The method according to claim 1, wherein the connecting the data supplying server to the personal terminal comprises:
inputting an identifying number for a personal terminal;
determining whether a connection between the data supplying server and the personal terminal is completed;
transferring a guide message to the personal terminal upon connection if the connection was made and the personal terminal responds; and
receiving a request for reception of the selected data file, if the personal terminal requests the transferring of the data file according to the guide message.

3. The method according to claim 2, wherein the guide message comprises an audio message.

4. The method according to claim 1, further comprising transferring a notification message to the personal terminal using the data supplying server to signal that the selected data file has been stored in the personal terminal after the data has been transferred to the personal terminal.

5. The method according to claim 1, further comprising determining if the personal terminal can receive data files by sending an inquiry signal wherein if the personal terminal does not respond to the inquiry signal within a certain period, the personal terminal transfers a response signal automatically while connecting.

6. The method according to claim 1, wherein when a connection between the data supplying server and the personal terminal is not made, the connecting to the communication network further comprises:

connecting a data storing space to the communication network;

storing the selected data file, the guide message and the phone number of the personal terminal in the data storing space;

transferring a guide message to the personal terminal when the data storing space is connected to the personal terminal;

requesting transfer of the data file from the personal terminal by the personal terminal;

transferring the selected data file to the personal terminal according to a request for transfer of the personal terminal; and

storing automatically the data file in the personal terminal.

7. The method according to claim 1, further comprising:

selecting a data file for reproduction from the stored transferred data files;

searching for the selected data file from the data stored in the personal terminal; and

reproducing the selected data file.

8. The method according to claim 1, further comprising:

selecting a data file for reproduction by searching the data files stored in the personal terminal;

inputting an identifying number of another personal terminal which will receive the data file;

requesting to connect to the inputted personal terminal; and
transferring the data file if the connection is made.

9. The method according to claim 1, wherein the data file includes data recorded by the personal terminal and transferred from a mobile communication network.

10. The method according to claim 1, wherein the communication network includes one or more personal computers and the personal terminal includes one or more mobile phones or Personal Digital Assistants.

11. A data reproducing apparatus for a personal terminal comprising:
a wireless transferring and receiving unit for transferring and receiving data files to and from a mobile communication network;
a storing unit for storing the data files received through the wireless transferring and receiving unit;
a controlling unit for searching the received data files through the wireless transferring and receiving unit and for storing the data in the storing unit if the data file has a compression format;

a decoder for decoding the compression data files transferred from the wireless transferring and receiving unit; and

a reproducing unit for reproducing the decoded data files into audio or video signals.

12. The apparatus according to claim 11, further comprising an inquiry signal unit for producing an inquiry signal wherein the controlling unit automatically responds to a termination signal transferred from the wireless transferring and receiving unit if the wireless transferring and receiving unit does not respond to the inquiry signal within a certain period of time.

13. The apparatus according to claim 11, wherein the controlling unit does not receive the data file if the data file does not have a compression format.

14. A data reproducing apparatus for a personal terminal comprising:

a wireless transceiver that transfers and receives data files to and from a mobile communication network;

a codec that compresses and amplifies a signal received by the wireless transceiver;

a storage device that stores the data file received through the wireless transceiver and the signal compressed in the codec unit;

a controller that searches the data files received through the wireless transceiver and controls the storage of the data files if the data files has the compression format, and controls the compression, amplification and storage of the signal received by the wireless transceiver;

a decoder for decoding the data transferred from the wireless transceiver; and

a reproducer that reproduces the data file amplified in the codec and the data outputted through the decoder as an audio or video signal.

15. The apparatus according to claim 14, further comprising an inquiry signal unit that produces an inquiry signal wherein the controller automatically responds to a termination signal transferred from the wireless transceiver if the wireless transceiver does not respond to the inquiry signal within a certain period.

16. The method according to claim 9, further comprising:
selecting a data file for reproduction from the stored transferred data files;
searching for the selected data file from the data stored in the personal terminal; and
reproducing the selected data file.

09510709-072404
FOI#20060201560

17. A method for communicating a data file from a communication network to a personal terminal, comprising:

connecting the communications network to the personal terminal;
sending a guide message from the communications network soliciting the personal terminal for reception of the data file;
sending the data file from the communications network to the personal terminal; and
disconnecting the connection between the communications network and the personal terminal.

18. The method according to claim 17, further comprising storing the data file in a memory module of the personal terminal.

19. The method according to claim 17, further comprising converting the data file into an audio or video message for presentation by the personal terminal to a user of the personal terminal.

20. The method according to claim 17, wherein the sending the data file further comprises:

connecting the personal terminal to a second personal terminal;

sending the guide message from the communications network to the second personal terminal;

receiving a request for the data file from the personal terminal and the second personal terminal; and

transferring the data file from the communications network to the personal terminal and/or the second personal terminal.

TOP SECRET